



U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 SIXTH AVENUE
SEATTLE, WASHINGTON 98101

APR 24 1989

REPLY TO
ATTN OF:

HW-113

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

City of Tacoma
City Attorney's Office
747 Market Street
Tacoma, WA 98421

Re: Commencement Bay Nearshore/Tideflats Superfund Site

Dear Sir or Madam:

The United States Environmental Protection Agency (EPA) has documented the release or threatened release of hazardous substances at the Commencement Bay-Nearshore/Tideflats Superfund site (herein referred to as the CB/NT site). In 1983, the site was listed on the National Priorities List pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, 42 U.S.C. § 9601 et seq. (herein referenced as CERCLA or Superfund).

Under CERCLA, any cost incurred by the government in responding to a release or threatened release of hazardous substances at the site, including the investigations, planning, studies, and cleanup, is the liability of the responsible parties. EPA has recently completed a preliminary search for potentially responsible parties at the CB/NT site in order to notify them of their potential liability for costs related to past and future response actions at the site.

The purpose of this general notice letter is to formally notify you that EPA has determined that the City of Tacoma is a potentially responsible party at the CB/NT site. It is also intended to apprise you of the EPA's progress in addressing the contamination at the CB/NT site and to request information from you to aid in the EPA's Superfund investigations, continued response actions, and assessments of liability at the site.

A complete list of the recipients of this general notice letter is attached (Attachment 1). We have also enclosed a CB/NT general information package which has been distributed to all businesses in the Commencement Bay area. This should assist you in understanding the CB/NT site, the currently proposed cleanup plan for the site, and the Superfund process in general.

Through a cooperative agreement with EPA, the Washington Department of Ecology (Ecology) has been the lead agency for the Superfund investigations at the site to date. A fact sheet summary of Ecology's Superfund investigation and study reports, as well as the proposed cleanup plan for the CB/NT

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CB/NT

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site, are available from Ecology as indicated in the enclosed information package. These fact sheets were previously mailed to most businesses and properties in the Commencement Bay area for informational purposes. Copies of all CB/NT fact sheets and reports, as well as the complete CB/NT site file documents, are available at several EPA and Ecology repositories throughout the Puget Sound area (listed in the enclosed informational package).

EPA Authority and CERCLA Liability

Section 104 of CERCLA authorizes EPA to remove or arrange for the removal of hazardous substances and to provide for remedial action related to the cleanup of those substances, whenever any hazardous substance is released or there is a substantial threat of such a release into the environment. EPA may also undertake such investigations, monitoring, surveys, testing, and other information gathering as it deems necessary to identify the existence and extent of the release or threat thereof, the source and nature of the hazardous substances involved, and the extent of danger to the public health or welfare or to the environment.

EPA has expended and is currently spending public funds to perform CERCLA response and investigatory activities to mitigate and/or prevent the release or threat of release of hazardous substances at the CB/NT site. An extensive Superfund investigation and study, known as a Remedial Investigation and Feasibility Study (RI/FS), has been conducted that recommends a comprehensive cleanup program for the CB/NT site including both sediment remediation and control of sources of contamination into bay. EPA will make a final selection of remedy for the site in a Record of Decision (ROD) following a period of public comment. The public comment period for the RI/FS began on February 24, 1989, and extends to June 24, 1989.

The enclosed information package describes nine separate CB/NT problem areas. Under the currently proposed plan, EPA would begin implementing sediment remedial actions in each problem area on a phased basis, following the issuance of a ROD later this year.

As the attached list indicates, EPA has notified separate groups of potentially responsible parties for each of the nine CB/NT problem areas. As further information is developed, EPA will make a final determination, identifying potentially responsible parties for each problem area. Negotiations with potentially responsible parties and actual implementation of the response actions for each problem area would proceed on a phased basis over a several year period. EPA may also conduct further investigations and implement any necessary Superfund response actions within the CB/NT site, unless it is determined that those actions will be promptly and properly conducted by a responsible party.

Responsible parties under CERCLA include the current and past owners and operators of the site, persons who currently lease property at the site or who have leased property at the site in the past, and persons who generated hazardous substances or who were involved in the transport, treatment, or disposal of such substances at the site. See 42 U.S.C. §

9607(a)(1)-(4). Pursuant to Section 107(a) of CERCLA, 42 U.S.C. § 9607(a), responsible parties may be liable for all monies including interest thereon expended by the government to take any necessary response actions at the site including investigatory activities, planning, oversight, and cleanup of the site. Liability under Section 107 of Superfund is strict, joint, and several for all responsible parties.

Request For Information

In addition to notifying the City of Tacoma of its potential liability relating to the CB/NT site, EPA is seeking to obtain certain information from the City of Tacoma relevant to the treatment, disposal, or transportation for treatment or disposal of hazardous substances at the site. Under the provisions of Section 104(e) of CERCLA, 42 U.S.C. § 9604(e), as amended, and Section 3007 of the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. § 6927, as amended, EPA has the authority to require any person who has or may have information relevant to the following to furnish such information: (1) the identification, nature, and quantity of materials which have been or are generated, treated, stored or disposed of at the facility; (2) the nature or extent of a release or threatened release of a hazardous substance or pollutant or contaminant at or from a vessel or facility; and (3) information relating to the ability of a person to pay for or perform a cleanup.

The term "site" as used in this letter and request for information refers to the term "facility" which is broadly defined in CERCLA. A facility includes "any site or area where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located" 42 U.S.C. § 9601(9). The CB/NT site encompasses approximately 10 to 12 square miles of shallow water, shoreline, tideflats and nearby upland areas. The nearshore portion of the site extends from the head of City Waterway to Point Defiance. The tideflats area includes the industrialized waterways and properties which have been developed on the delta of the Puyallup River. In both areas, the site includes all water and bottom sediment to depths of 60 feet below the Mean Lower Low Water (MLLW) contour. It also includes upland areas which are defined by drainage-basin features rather than political boundaries, with the exception that the Puyallup River is only included from the bay upstream to the Interstate 5 highway bridge. For purposes of this notice letter and request for information, it is important not to confuse the terms "facility" and "site" (which encompass the entire CB/NT Superfund project area) with your specific property, operation, or business.

The terms "hazardous substances" as defined under Section 101(14) of CERCLA, as amended, and "pollutants and contaminants" as defined under Section 101(33) of CERCLA, as amended, are used in this letter and request for information to describe any of a wide range of chemical compounds found in raw materials, additives, intermediate products, byproducts, waste streams and final products. Materials of concern could be associated with commercial activities such as painting, cleaning, degreasing, repairing,

manufacturing, storage, and numerous other activities. They could also be found in more generalized urban runoff from roadways and storm sewers.

Pursuant to the EPA's statutory authority contained in Section 104(e) of CERCLA, as amended, you are hereby requested to submit information in response to the questions listed below. When responding to these questions, please include all available information of past practices and procedures as well as those currently in use:

1. List the location and current mailing address for any property the has owned, leased or occupied in the CB/NT site and describe its approximate size and boundaries. Describe how long it has owned or occupied such property. Please list all current and prior owners, lessors, and occupants of such property.
2. Please review the attached property list containing a description of properties in the CB/NT site for which EPA believes the City of Tacoma has an ownership interest (Attachment 2). Indicate whether this list is correct and make any corrections or additions if appropriate. Please include an explanation for any changes to this list.
3. Describe and list any leases or sub-leases which the City of Tacoma has entered into (as either lessor or lessee) at any time pertaining to property or businesses associated with operations in the CB/NT site.
4. Provide a general description of all activities and operations carried out by the City of Tacoma at any time on property in the CB/NT site. Specify the time periods and locations of such operations and activities.
5. List the generic names and chemical character of any "hazardous substances" and any "pollutants or contaminants" as defined on page 4 of this letter, that the City of Tacoma has generated, stored, treated, transported, disposed or otherwise handled or used in any processes, activities, and operations at the site. Briefly describe the processes, activities, and operations carried out by the City of Tacoma involving such hazardous substances, pollutants, or contaminants. Your description should include, but not be limited to, the following:
 - a general description of materials used in production, maintenance or cleaning operations at each location
 - a general description of waste streams and waste materials resulting from these processes
 - analytical data describing these materials, or material safety data sheets (MSDS), if available
 - the location and system for delivery, unloading, and storage of each substance to the facility

- monitoring systems used for chemical inventory in storage facilities
 - procedures for cleaning storage tanks, equipment, and structures where such hazardous substances, pollutants or contaminants were used or otherwise handled
6. For each hazardous substance identified above, please describe how the substance is or was handled, the dates or approximate time it was handled, and the total quantity in weight or volume (estimate if quantity not available) of such hazardous substances, pollutants, or contaminants.
 7. Describe where and for how long any such hazardous substances, pollutants or contaminants described above were stored, and where and when the material was disposed of. Include on-property and off-property, informal and formal storage and disposal.
 8. What arrangements (if any) were made to transport the hazardous substances, pollutants, or contaminants away from your property or operation? Who was the transporter of the hazardous substances, and what is the transporter's current/previous address?
 9. If any of the hazardous substances identified in response to questions 5-8 above were contained in oil or petroleum products, indicate the source of such hazardous substances, the amount and concentration mixed or contained in the oil, the date(s) such mixing occurred, the process or method of introduction of hazardous substances into the oil, and any other information in your possession regarding the presence of hazardous substances in oil or petroleum products which you generated, stored, transported, or disposed.
 10. Provide all information you have regarding spills, leaks, and pipeline breaks of hazardous substances, pollutants, or contaminants on or around property owned or occupied by the City of Tacoma, including any spills caused by a lessor or occupant of such property. This should include the generic name and chemical constituents of the materials(s) spilled, the quantity of material spilled, cleanup measures taken, the cause of the spill and any other related information.
 11. Describe and provide the results of all environmental investigations that have taken place on or around property owned or occupied by the City of Tacoma. This includes investigations of the physical and chemical characteristics of the soil, surface water, sediments, air and groundwater. This also includes historical evaluations of potential/known contamination. Provide a list of all investigations planned or completed (include the purpose, dates, and relevant documents).

12. Provide all existing maps, diagrams, and photos of property and operations of the City of Tacoma. If appropriate, include information that indicates original shoreline boundaries, and any changes to the shoreline that may have occurred. Also indicate whether any portion of the property includes intertidal or submerged portions of the adjacent marine waterways or nearshore areas to a depth of sixty (60) feet below the Mean Lower Low Water (MLLW) contour.
13. Provide records and maps of locations of all underground structures at any property owned or occupied by the City of Tacoma, including underground pipelines, bulkheads, storage facilities or other underground structures.
14. Describe the surface water drainage from such property, including but not limited to, whether precipitation collects in storm drains, ditches, or discharge to a local waterway.
15. Provide the name of all of liability insurance carriers and copies of any liability insurance policies maintained by the City of Tacoma that may provide liability coverage for damages resulting from releases of hazardous substances and/or wastes, pollutants, or contaminants. If such insurance policies are voluminous, or if you prefer not to submit them at this time but agree to submit the policies or make them available to EPA at a later date, you may provide EPA with a list of such insurance policies along with the name of the insurer, and the dates, extent, and amounts of such coverage.
16. Please provide any other information, correspondence, or records in the possession or control of the City of Tacoma regarding the use, treatment, storage, or disposal, or the transportation for use treatment, storage or disposal of hazardous substances or pollutants or contaminants at its property described in response to Question Number One above.
17. Provide a description of the types of records maintained by or otherwise available from the City of Tacoma which are related to the subjects discussed in the above questions.
18. Provide a list and the current or last known address and telephone numbers of all persons or companies which may have knowledge relating to any of the above questions.

Your written answers to these questions must be sent to EPA within thirty (30) calendar days of your receipt of this letter. Your response should include all information and records you have related the above questions. If any records maintained with respect to the above questions are not in your possession, provide the current location and custodian of such records. Please answer all questions to the best of your knowledge.

Under Section 3008 of RCRA, 43 U.S.C. § 6928, failure to comply with this request may result in EPA's issuance of an order requiring compliance or the initiation of a civil action for appropriate relief. Section 3008 of

RCRA and Section 104 of CERCLA also provide for civil penalties. Pursuant to Section 103 of CERCLA, it is unlawful for any person knowingly to destroy, mutilate, erase, dispose of, conceal, or otherwise render unavailable or unreadable, or falsify any of the above records.

EPA recognizes that this information request is broad in scope. If the information you possess is voluminous, you may respond within the thirty day period as to the availability of all related records, and provide a written description of the type of information available. Specifically, describe the types of records maintained with regard to the above requests for information including the date of the records, the author of the records, the current location of the records, and their current custodian. EPA also requests that arrangements be made to allow designated EPA employees, EPA authorized representatives including state employees, and their contractors to review all such documents.

EPA regulations governing confidentiality of business information are set forth in Part 2, Subpart B of Title 40 of the Code of Federal Regulations. See 41 Fed. Reg. 36902-36924 (September 1, 1976), as amended by 43 Fed. Reg. 40000 (September 8, 1978), 44 Fed. Reg. 17673 (March 23, 1979), and 48 Fed. Reg. 11270 (March 17, 1983), and 50 Fed. Reg. 61661 (December 18, 1985). For any portion of the information submitted which is entitled to confidential treatment, please assert a confidentiality claim in accordance with Section 104(e)(7) of CERCLA, 42 U.S.C. § 9607(e)(7), as amended, and 40 C.F.R. Section 2.201. If EPA determines that the information so designated meets the criteria set forth in Section 104(e)(7) of CERCLA and 40 C.F.R. Section 2.200, the information will be disclosed only to the extent, and by means of, the procedures specified in 40 C.F.R. Part 2, Subpart B. EPA will construe the failure to furnish a confidentiality claim with your response to this letter as a waiver of that claim, and information may be made available to the public by EPA without further notice to you.


Please respond to EPA within the time frame indicated above. Your written response should be sent to Michael Stoner, Environmental Protection Agency, Region 10, Superfund Branch, 1200 Sixth Avenue, HW-113, Seattle, Washington 98101. Please direct any technical questions to Michael Stoner or Lynne Kershner at (206) 442-2141. If you have any legal questions, you may contact Allan B. Bakalian, Assistant Regional Counsel, at (206) 442-1789.

The factual and legal discussions contained in this letter are intended solely for notification and information purposes. They are not intended to be and cannot be relied upon as a final Agency position on any matter set forth herein.

In conclusion, EPA will be evaluating the responses which the agency receives from the recipients of this letter listed in Attachment 1. EPA will also be notifying all recipients of this general notice letter of an informational meeting to be held in early May to answer questions regarding this notice and request for information. Finally, if you wish to comment on the Commencement Bay-Nearshore/Tideflats Feasibility Study, the comment period closes on June 24, 1989.

Thank you for your prompt attention to this matter. Please do not hesitate to contact EPA should you have any questions regarding this general notice or request for information.

Sincerely,


Charles E. Findley, Director
Hazardous Waste Division

Attachments (2) and Enclosure

cc: Richard Hibbard, Ecology

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
HYLEBOS WATERWAY		
AK-WA Shipbuilding	401 Alexander, Tacoma, WA 98421	AK-WA Shipbuilding
Airo Services Inc.	4110 East 11th, Tacoma, WA 98422	Airo Services, Inc.
Anderson, Stephen	3140 East 11th Street, Tacoma, WA 98422	Shell Oil Co.
B & L Trucking & Construction Co.	1621 Marine View Drive, Tacoma, WA 98422	B & L Construction & Trucking Co., Inc.
Babet Financial Company, Inc.	234 N Santa Cruz Ave., Los Gatos, CA 95030	Modutech Marine
Bonneville Power Administration	P.O. Box 3621, Portland, OR 97208	Bonneville Power Administration
Brazier Forest Products	P.O. Box 1157, Tacoma WA 98401	Brazier Forest Products
Bronner, Ken	4742 Hveda Blvd., Tacoma, WA 98422	The Dent Doctor
Buffelen Woodworking Co.	1901 Taylor Way, Tacoma, WA 98421	Buffelen Woodworking Co.
Cenex Agriculture Inc.	CT Corp., 520 Pike Street, Seattle, WA 98101	Cenex Agriculture Inc.
Chemical Processors Inc.	2203 Airport Way S., Suite 400, Seattle, WA 98134	Chemical Processors Inc.
City of Tacoma	747 Market Street, Tacoma, WA 98421	City of Tacoma
Coski, Bernard	5403 Pendle Lange Rd NE, Tacoma, WA 98422	Coski Landfill
Dunlap Towing	P.O. Box 593, La Conner, WA 98257	Dunlap Towing
Fletcher Oil Company	733 Bishop Street, Honolulu, HI 96813	PR1
Gateway Consolidators Inc.	CT Corp, 520 Pike Street, Seattle, WA 98101	Buffelen Woodworking Co.
General Metals of Tacoma, Inc.	1902 Marine View Drive, Tacoma, WA 98422	General Metals of Tacoma, Inc.
Howard, Donna L.	6713 Pacific Hwy East, Tacoma, WA 98424	Western Engineering
Huce, Robert C. & Janet L.	3502 Greenwood Ave., Tacoma, WA 98466	Stracke
J. G. Investments, Inc.	5400 Meeker Drive, #21, Kalama, WA 98625	Jones-Goodell Corporation
Jones Chemicals Inc.	1919 Marine View Drive, Tacoma, WA 98422	Jones Chemicals Inc.
Jones-Goodell Corporation	1690 Marine View Drive, Tacoma, WA 98422	Jones-Goodell Corporation
Joseph Simon & Sons Inc.	2200 East River Street, Tacoma, WA 98421	Rail & Locomotive Equipment Company
Kaiser Aluminum & Chemical Corp.	3400 Taylor Way, Tacoma, WA 98421	Kaiser Aluminum & Chemical Corp.
Lone Star Industries	3601 Taylor Way, Tacoma, WA 98421	Lonestar Industries
Louisiana Pacific Corporation	3825 Taylor Way, Tacoma, WA 98421	Louisiana Pacific Corporation

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
Manke Lumber Company Inc.	1717 Marine View Drive, Tacoma, WA 98422	Manke Lumber Company Inc.
Mav, Annon W. et al.	3003 Taylor Way, Tacoma, WA 98421	Petroleum Reclaiming Services
McFarland-Cascade	1640 E Marc, Tacoma, WA 98421	Cascade Pole
Milgard Manufacturing Inc.	P.O. Box 11368, Tacoma, WA 98401	Milgard Manufacturing Inc.
Mintercreek Development	4224 Waller Road East, Tacoma, WA 98404	Samson Marine
Modutech Marine	2218 Marine View Drive, Tacoma, WA 98422	Modutech Marine
Murray Pacific Corporation	3502 Lincoln Ave. E., Tacoma, WA 98421	Murray Pacific Corporation
Nordlund Boat Company, Inc.	1621 Taylor Way, Tacoma, WA 98421	Nordlund Boat Company, Inc.
Nordlund Properties Inc.	1530 Ventura Drive, Tacoma, WA 98465	Vance Lift Truck
Nordlund Properties Inc.	1621 Taylor Way, Tacoma, WA 98421	Pederson Oil
Nordlund Properties Inc.	1608 S. Winnifred, Tacoma, WA 98406	Nordlund Boat Company, Inc.
Nordlund Properties Inc.	1530 Ventura Drive, Tacoma, WA 98465	Manke Lumber Company Inc.
Northwest Processing, Inc.	P.O. Box 940, Tacoma, WA 98401	Northwest Processing, Inc.
Occidental Chemical & Plastic Corp.	605 Alexander Ave., Tacoma, WA 98401	Occidental Chemical & Plastic Corp.
Oline, Don	P.O. Box 428, Montesano, WA 98563	Oline, Don
Oline, Ron & Brad et al.	1940 Marine View Drive, Tacoma, WA 98422	Oline, Don
Pan Pacific Trading Company	2208 NW Market, Seattle, WA 98107	Murray Pacific Corporation
Pederson Oil	1622 Marine View Drive, Tacoma, WA 98422	Pederson Oil
Pennwalt Corporation	2901 Taylor Way, Tacoma, WA 98421	Pennwalt Corporation
Petroleum Reclaiming Services	3003 Taylor Way, Tacoma, WA 98421	Petroleum Reclaiming Services
Polisen Corporation	1801 Alexander, Tacoma, WA 98421	Polisen Corporation
Port of Tacoma	P.O. Box 1837, Tacoma, WA 98401	Port of Tacoma
PRI	709 Alexander, Tacoma, WA 98421	PRI
Ragnar, Nars	2116 Taylor Way E., Tacoma, WA 98421	Superlon Plastics
Rail & Locomotive Equipment Company	1515 Taylor Way, Tacoma, WA 98421	Rail & Locomotive Equipment Company
Samson Marine	4106 East 11, Tacoma, WA 98421	Samson Marine

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
Seaport Bark Supply, Inc.	3542 Lincoln Avenue, Tacoma, WA 98421	Seaport Bark Supply, Inc.
Shell Oil Co.	CT Corp., 520 Pike, Seattle, WA 98101	Shell Oil Co.
Solidus Corporation	2244 Port of Tacoma Road, Tacoma, WA 98421	Northwest Processing, Inc.
Sound Refining Company	2628 Marine View Drive, Tacoma WA 98422	Sound Refining Company
Sound Refining Company	2628 Marine View Drive, Tacoma, WA 98422	Wright Marine Towing Inc.
Stone Investments	P.O. Box 25190, Honolulu, HI 96825	Oline, Don
Stracke	3001 Marine View Drive, Tacoma, WA 98422	Stracke
Superlon Plastics	2116 Taylor Way, Tacoma, WA 98422	Superlon Plastics
Sussman, Leslie P.	1 N. Stadium Way #6, Tacoma, WA 98402	General Metals of Tacoma, Inc.
Tacoma Boatbuilding Company Inc.	1840 Marine View Drive, Tacoma, WA 98422	Tacoma Boatbuilding Company Inc.
Taylor Way Investment Corporation	5501 Airport Way S., Tacoma, WA 98108	Brazier Forest Products
The Dent Doctor	2928 Marine View Drive, Tacoma, WA 98422	The Dent Doctor
United States Gypsum Company	2301 Taylor Way, Tacoma, WA 98421	United States Gypsum Company
U.S. Naval and Marine Corps Reserve	200 Stovall Street, Alexandria, VA 22332	U.S. Naval and Marine Corps Reserve
Vance Lift Truck	3302 East 11th Street, Tacoma, WA 98421	Vance Lift Truck
Wash. Department of Natural Resources	MS QW-21, John Cherberg Bldg., Olympia, WA 98504	Hylebos Waterway
Western Engineering	6713 Pacific Hwy East, Tacoma, WA 98424	Western Engineering
Weverhaeuser Company	33663 32nd Drive S., Federal Way, WA 98003	Weverhaeuser Company
Wright Marine Towing Inc.	P.O. Box 47, Tacoma, WA 98401	Wright Marine Towing Inc.
SITCLUM WATERWAY		
1 (One) Newco Inc.	1410 Thorne, Tacoma, WA 98421	General Chemical Corporation
Apex Forge and Tool Co.	2311 Ross Way Trade Industries, Tacoma, WA 98421	Apex Forge and Tool Co.
Barthel Company	P.O. Box 1025, Tacoma, WA 98042	Barthel Co.
Oykman, Marvin and Glee	2310 East 11th Street, Tacoma, WA 98421	Sound Battery Company
General Chemical Corporation	1410 Thorne Road, Tacoma, WA 98421	General Chemical Corporation
Georgia Pacific Resins, Inc.	1754 Thorne Road, Tacoma, WA 98421	Georgia Pacific Resins, Inc.
Glein Investments	1144 Thorne Road, Tacoma, WA 98421	Norcore Plastics

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
Hertz	2216 East 11th Street, Tacoma WA 98421	Hertz
Hvarade Food Products Corporation	1623 East J Street, Tacoma, WA 98421	Nulife
Nulife	1424 Thorne Road, Tacoma, WA 98421	Nulife
Mann Russel Electronics	1401 Thorne Road, Tacoma, WA 98421	Mann Russel Electronics
McKenzie, Mrs. Eva	29 St. Helens Avenue #1406, Tacoma, WA 98402	McKenzie Fuel
Mintercreek Development	4224 Waller Road East, Tacoma, WA 98404	Apex Forge and Tool Co.
Modern Properties Inc.	P.O. Box 110880, Tacoma, WA 98411	William Drury Co.
Modern Properties Inc.	P.O. Box 110880, Tacoma, WA 98411	Suburban Propane
Modern Properties Inc.	P.O. Box 110880, Tacoma, WA 98411	Hertz
Nelson, Carl	P.O. Box 630, Tacoma, Wa 98401	Tacoma Port Angeles Auto Freight
Norcore Plastics	1144 Thorne Road, Tacoma, WA 98421	Norcore Plastics
Oregon-Washington RR & Navigation Co.	CT Corp., 520 Pike Street, Seattle, WA 98101	Oregon-Washington RR & Navigation Co.
PABCO Roofing Products	1718 Thorne Road, Tacoma, WA 98421	Pacific Coast Building Products
Pacific Marine Repair	2220 East 11th, Tacoma, WA 98421	Pacific Marine Repair
Pacific Rim Packaging Corporation	1702 Port of Tacoma, WA 98421	Rheem Manufacturing Company
Port of Tacoma	1 Sitcum Plaza, Tacoma, WA 98421	Port of Tacoma
Shortt, William N.	2331 Ross Way, Tacoma, WA 98421	Shortt Saw and Knife
Suburban Propane	1125 Thorne Road, Tacoma, WA 98421	Suburban Propane
Tacoma Port Angeles Auto Freight	2235 Ross Way, Tacoma, WA 98421	Tacoma Port Angeles Auto Freight
Wash. Department of Natural Resources	MS GW-21, John Cherberg Bldg., Olympia, WA 98504	Sitcum Waterway
William Drury Co.	2220 E. 11th, Tacoma, WA 98421	William Drury Co.
ST. PAUL WATERWAY		
Champion International	One Champion Plaza, Stamford, CT 06921	Simpson Tacoma Kraft Company
Simpson Tacoma Kraft Company	801 Portland Avenue, Tacoma, WA 98421	Simpson Tacoma Kraft Company
St. Regis		

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
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MIDDLE WATERWAY

Cook's Marine Specialties	223 East F Street, Tacoma, WA 98421	Cook's Marine Specialties
Foss Maritime Co.	225 E. F Street, Tacoma, WA 98421	Foss Launch & Tug Company
Marine Industries Northwest	313 East F Street, Tacoma, WA 98421	Marine Industries Northwest
Paxport Mills Inc.	300 Middle Waterway, Tacoma, WA 98421	Paxport Mills Inc.
Pioneer-Gudmundson Painting Co.	255 East F Street, Tacoma, WA 98421	Pioneer-Gudmundson Painting Co.
Puget Sound Plywood	230 East F Street, Tacoma, WA 98421	Puget Sound Plywood
Simpson Tacoma Kraft Company	801 Portland Avenue, Tacoma, WA 98421	Simpson Tacoma Kraft Company
Union Pacific Railroad Company	CT Corp., 520 Pike Street, Seattle, WA 98101	Paxport Mills Inc.
Washington Belt & Drive Systems	672 East 11th, Tacoma, WA 98421	Washington Belt & Drive Systems
Wash. Department of Natural Resources	MS QW-21, John Cherberg Bldg., Olympia, WA 98504	Middle Waterway
Western Machine Works Inc.	666 East 11th Street, Tacoma, WA 98421	Western Machine Works Inc.

WHEELER-OSGOOD WATERWAY

Burlington Northern	999 3rd Avenue, Seattle, WA 98101	Wheeler/Osgood Waterway
Chevron USA Incorporated	CT Corp., 520 Pike Street, Seattle, WA 98101	Chevron Oil
Griffin Galbraith Fuel Co.	1648 East J Street, Tacoma, WA 98421	Chevron Oil
Northwest Container Corporation, Inc.	635 East 15th, Tacoma, WA 98421	Northwest Container Corporation, Inc.
Rainier Plywood Company	624 East 15th Street, Tacoma, WA 98421	Rainier Plywood Company
Western Plastics Corporation	2330 Port of Tacoma Road, Tacoma, WA 98421	Northwest Container Corporation, Inc.

CITY WATERWAY

Coastcraft Inc.	1002 East F Street, Tacoma, WA 98421	Coast Sash & Door
Coast Iron	5225 7th East, Tacoma, WA 98421	Coast Iron
Fick Foundry Company	435 East 11th, Tacoma, WA 98421	Fick Foundry Company
George Scofield Co., Inc.	1543 Dock Street, Tacoma, WA 98421	George Scofield Co., Inc.
Globe Machine Manufacturing	701 E. D Street, Tacoma, WA 98421	Globe Machine Manufacturing
Harmon Cabinets, Inc.	1933 Dock Street, Tacoma, WA 98421	Harmon Cabinets, Inc.

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
Industrial Rubber Supply	2307 East D Street, Tacoma, WA 98421	Industrial Rubber Supply
J.M. Martinac Shipbuilding Corporation	401 East 15th, Tacoma, WA 98421	J.M. Martinac Shipbuilding Corporation
Jones, Lewis R.	4 Forest Glen Lane SW, Tacoma, WA 98498	American Plating
Marine Iron Works, Inc.	1120 East D Street, Tacoma, WA 98421	Marine Iron Works
Mobil Oil Corporation	CT Corp, 520 Pike Street, Tacoma, WA 98101	Mobil Oil Corporation
Moorage Association	821 Dock Street, Tacoma, WA 98421	Totem Boat Haven
North Pacific Plywood	8220 Eustis-Hunt Road East, Spanaway, WA 98387	North Pacific Plywood
Olympic Chemical Corporation	702 East A Street, Tacoma, WA 98421	Olympic Chemical Corporation
Oregon-Washington RR & Navigation Co.	CT Corp., 520 Pike Street, Seattle, WA 98101	Union Pacific Railroad Company
Parker Paint Manufacturing Co., Inc.	3326 S. Junett, Tacoma, WA 98409	Parker Paint Manufacturing Co., Inc.
Pickering Industries Incorporated	2102 East D Street, Tacoma, WA 98421	Pickering Industries Incorporated
Shell Oil Co.	CT Corp., 520 Pike Street, Seattle, WA 98101	Shell Oil Co.
Superior Oil	250 East D Street, Tacoma, WA 98421	Superior Oil
Totem Boat Haven	821 Dock Street, Tacoma, WA 98421	Totem Boat Haven
Union Oil Company	CT Corp., 520 Pike Street, Seattle, WA 98101	Union Oil Company
Union Pacific Railroad Company	CT Corp., 520 Pike Street, Seattle, WA 98101	Union Pacific Railroad Company
Wash. Department of Natural Resources	MS QW-21, John Cherberg Bldg., Olympia, WA 98504	City Waterway
Washington Department of Transportation	5720 Capitol Building, Olympia, WA 98504	Tacoma Spur Site
West Coast Grocery Company	1525 East D Street, Tacoma, WA 98421	West Coast Grocery Company
Western Fish and Oyster	1137 Dock Street, Tacoma, WA 98421	Western Fish and Oyster
Woodworth & Company Inc.	1200 East D Street, Tacoma, WA 98421	Woodworth & Company Inc.

COMMENCEMENT BAY

ASARCO, Inc.	P.O. Box 1677, Tacoma, WA 98401	ASARCO, Inc.
Continental Grain	11 Schuster Parkway, Tacoma, WA 98402	Continental Grain
Port of Tacoma	1 Sitcum Plaza, Tacoma, WA 98421	Continental Grain

Date 03/31/89
Time 17:20:00

Commencement Bay PRP Search Report - Property Lists

** TENANT PRP = City of Tacoma

Parcel----	Owner-----	Size (ac)---	Parcel Address-----	Location-----	Waterway-----
0321263021	City of Tacoma	5.500	Taylor Way, Tacoma, WA	R-03 T-21 S-26 1/4-SW	Hylebos
2275200460	City of Tacoma	0.269	East 11th & Hylebos Waterway, Tacoma,	R-03 T-21 S-26 1/4-SW	Hylebos
0321263019	City of Tacoma	0.239	11th & Taylor Way, Tacoma, WA	R-03 T-21 S-26 1/4-SW	Hylebos
2275200220	City of Tacoma	1.580	3536 East 11th, Tacoma, WA	R-03 T-21 S-26 1/4-SW	Hylebos
8950001960	Totem Boat Haven	1.170	11th and Dock Street, Tacoma, WA	R-03 T-20 S-04 1/4-NW	City
2275200470	City of Tacoma	0.105	Alexander & 11th, Tacoma, WA	R-03 T-21 S-26 1/4-SW	Hylebos
0321263029	City of Tacoma	1.325	1201 Taylor Way, Tacoma, WA	R-03 T-21 S-26 1/4-SW	Hylebos
0321263001	City of Tacoma	3.740	1200 Taylor Way, Tacoma, WA	R-03 T-21 S-26 1/4-SW	Hylebos
2275200450	City of Tacoma	0.551	East 11th & Hylebos, Tacoma, WA	R-03 T-21 S-26 1/4-SW	Hylebos

Date 03/31/89
Time 17:20:00

Commencement Bay PRP Search Report - Property Lists

** TENANT PRP = Tacoma City Light Plant

Parcel----	Owner-----	Size (ac)---	Parcel Address-----	Location-----	Waterway-----
8950001960	City of Tacoma	0.254	1141 Dock Street, Tacoma, WA	R-03 T-20 S-04 1/4-NW City	

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:		4. Article Number	
City of Tacoma City Attorney's Office 747 Market Street Tacoma, WA 98421		P 159 412 651	
5. Signature — Address		Type of Service:	
X		<input type="checkbox"/> Registered <input type="checkbox"/> Insured	
6. Signature — Agent		<input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD	
X <i>[Signature]</i>		<input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
7. Date of Delivery		Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .	
		8. Addressee's Address (ONLY if requested and fee paid)	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

PS Form 3800, June 1985

Sent City of Tacoma	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
APR 24 1989	

P 159 412 651
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

CB/NT

8.7.7.1.1-001A

8.7.7.1.1

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 SIXTH AVENUE
SEATTLE, WASHINGTON 98101



May 3, 1989

REPLY TO
ATTN OF: HW-113

City of Tacoma
City Attorney's Office
747 Market Street
Tacoma, WA 98421

Dear Sir or Madam:

On April 24, 1989, the United States Environmental Protection Agency (EPA) issued general notice letters and requests for information to 133 potentially responsible parties for the Commencement Bay - Nearshore/Tideflats (CB/NT) Superfund site. Recipients of those letters were also requested to submit information to EPA, regarding their involvement at the site, including the handling of hazardous substances, pollutants and contaminants.

The purpose of this letter is to invite you to one of two informational meetings to be held on May 16, 1989, by the CB/NT site management team. The team is a multi-agency group led by EPA which is responsible for coordinating Superfund response actions at the CB/NT site. The meetings are intended to provide a forum for informational exchange between the CB/NT team and potentially responsible parties that have recently been issued general notice letters. Potentially responsible parties, or their representatives, will have the opportunity to discuss questions or concerns they may have in responding to those letters. However, no formal testimony or comments will be recorded, so a complete response to the letter will still be required.

Both meetings will be held at the World Trade Center, 3600 Port of Tacoma Road, Tacoma, Washington. The first meeting will be held from 9:00 a.m. to 12:00 noon, and will include only those parties listed under the Hylebos Waterway on Attachment 1 of the general notice letter. The second meeting will be identical in format, except it will be held from 1:00 p.m. to 4:00 p.m. for parties listed in other segments of the site. Attendance will be limited to members of the CB/NT site management team and potentially responsible parties, or their representatives. The seating capacity of the conference room will only accommodate one person per invitation. Therefore, identification will be required to assure that each attendee represents a notified party.

Please do not hesitate to call me at (206) 442-2710, should you have any questions regarding the general notice letter, or the informational meeting discussed above. The latest fact sheet outlining the public comment period for the CB/NT Feasibility Study is also enclosed for your information.

Sincerely,


Michael G. Stoner
Superfund Site Manager

Enclosure

8.7.7.1.1

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 SIXTH AVENUE
SEATTLE, WASHINGTON 98101



May 8, 1989

REPLY TO
ATTN OF:

HW-113

City of Tacoma
City Attorney's Office
747 Market Street
Tacoma, WA 98421

Dear Sir or Madam:

The purpose of this letter is to advise you of a change in schedule for the Commencement Bay - Nearshore/Tideflats (CB/NT) site informational meeting to which you were recently invited. Due to requests to allow additional attendance by potentially responsible parties for the site, including their representatives, the U.S. Environmental Protection Agency (EPA) has elected to hold four separate meetings.

All four meetings will be held at the same location, in the conference room of the World Trade Center, 3600 Port of Tacoma Road, Tacoma, Washington. Meetings will be held for different groups of notified parties during both the morning and afternoon of May 16 and May 17, 1989. Please refer to the following schedule and the enclosed list of potentially responsible parties to determine which meeting you should attend. The schedule of meetings is as follows:

May 16, 1989 from 9:00 am to 12:00 noon for parties listed under
Head of Hylebos;

May 16, 1989 from 1:00 pm to 4:00 pm for parties listed under
Mouth of Hylebos;

May 17, 1989 from 9:00 am to 12:00 noon for parties listed under
Sitcum, Middle and St. Paul;

May 17, 1989 from 1:00 pm to 4:00 pm for parties listed under
City, Wheeler-Osgood, Commencement Bay.

As indicated previously, attendance will be limited to members of the CB/NT site management team, potentially responsible parties, and their representatives. Identification will still be required to ensure that each attendee represents a notified party. However, two people per invitation can now be accommodated.

Please feel free to call me at (206) 442-2710 if you cannot adjust your calendar to the revised schedule of CB/NT informational meetings.

Sincerely,

Michael G. Stoner
Superfund Site Manager

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE	
		<input type="checkbox"/> OTHER (SPECIFY) _____ (Record of item checked above)	
TO: Lynne Kershner	FROM: Ken Fuller City of Tacoma	DATE 5/1/89	TIME 2:20 PM
SUBJECT NS/TF			
SUMMARY OF COMMUNICATION <p>Wanted to know which properties we needed info on (i.e., just the ones listed on his attachment?). I told him they should include any other properties in NS/TF area (as defined in the info package) that he knows are or have been owned by the city. Will call back if he has more questions.</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO:			

8.7.7.1.1

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE	
		<input type="checkbox"/> OTHER (SPECIFY) SAI-5625	
TO: Lynne Kershner		FROM: Ken Fuller City of Tacoma	
		DATE 5/14/89	TIME 3:40
SUBJECT CB/NT			
SUMMARY OF COMMUNICATION			
<p>① needs better map of site area - some areas darkened out; hard to see boundaries</p> <p>② right-of-way people @ City trying to determine which properties affected how far back do we want info?</p> <p>right-of-way too comprehensive to make a complete list</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
<p>Talked to A. Bakalian, who said right-of-ways do need to be included</p> <p>Called back 4:30 - no answer.</p> <p>[Called 5/8 1:30 left message - ms]</p>			
INFORMATION COPIES			
TO:			

8.7.7.1.1

RECORD OF COMMUNICATION	<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE	
	<input type="checkbox"/> OTHER (SPECIFY) <u>591-5588</u> (Record of item checked above)	
TO: Mike Price City of Tacoma	FROM: M. Stoner	DATE 5/9/89 TIME
SUBJECT CB/NT General Notice letter		
SUMMARY OF COMMUNICATION - confusion at city because several departments are autonomous and response needs to be coordinated among: Public Works — sewer utilities Public Utilities — City Power & Light General Government — Fire Depts. - Main point of contact should be City Attorney Bill Borker 591-5885, but should send cc to various Department Heads.		
CONCLUSIONS, ACTION TAKEN OR REQUIRED		
INFORMATION COPIES TO: City Waterway		

RECORD OF COMMUNICATION	<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE		
	<input type="checkbox"/> OTHER (SPECIFY) <u>572-5050</u> (Record of item checked above)		
TO: Lynne Kershner	FROM: Dennis Harlowe Atty in Tacoma	DATE 5/9/89	
		TIME 4:20	
SUBJECT			
SUMMARY OF COMMUNICATION question 6: needs list of substances P.O. Box 1157 2200 1st Interstate Plaza Tacoma 98401 (sent 5/9/89) MS			
CONCLUSIONS, ACTION TAKEN OR REQUIRED Sent 40 CFR Parts 117 & 302 (includes list)			
INFORMATION COPIES TO:			

8.7.9.1.1

RECORD OF COMMUNICATION		<input type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE	
		<input checked="" type="checkbox"/> OTHER (SPECIFY) <u>Meeting at Sewer Utilities</u> (Record of item checked above)	
TO: <u>City of Tacoma</u> <u>Sewer Utilities</u>		FROM: <u>M. Stoner</u> <u>Greg Bowden</u>	
		DATE <u>5/22/89</u>	
		TIME <u>9:00</u>	
SUBJECT <u>CB/NT - General Notice letter</u>			
SUMMARY OF COMMUNICATION <u>Met with Mike Price, Chan O'dell, Ken Fuller, Bob Sperling re response needs to letter.</u> <u>They indicated that Public Works and Public Utilities would respond separately.</u> <u>Agreed to respond by focussing attention on priority areas as described in attached outline and GIS map which we provided to them.</u>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO: <u>City Waterway</u>			

5/22/89

Draft Refinement of EPA request for info.

CITY OF TACOMA

Provide the information requested in the general notice letters for all real property owned by the City of Tacoma in the tideflats area, within the boundaries shown on the attached map.

Information provided should include (but not be limited to) the following:

- parcel number
- present use
- past use (i.e. when did the city acquire the site, from who, etc.)
- address
- hazardous materials stored, spilled, or otherwise used at the site
- storm water or other surface water drainage routes for each site.

The information requested above could be grouped by present use (i.e. fire station, or other geographic division).

Please provide a description of all networks or systems owned or operated by the city in ~~and out of~~ the boundaries shown on the attached map*. This should include information on roads, storm drains, powerlines/substations, fire stations, water lines, sewers, railroad facilities, etc. We do not require lists or descriptions of each and every facility, but would like the following information about each network:

- who owns or maintains the network? — is it right of way or easement.

and areas outside r/w that discharge to the lws

- does the network extend beyond city limits, and if so, where?
- does the network extend onto private property? If so, does the city maintain the road, powerline, storm drain, etc. on that private property?
- What hazardous materials are stored or used in the operation and maintenance of the network?

■ Provide narrative description of past ownership and use, e.g. the Port used to own the storm drain network, but now it is operated ~ right of way by City.

- The storm drain report should be submitted in draft and provided when finalized.
- Focus of information to be provided should be priority chemicals identified for each problem area in the Feasibility Study.

* City to provide 2 letters
 one from Public Utilities,
 one from General Govt (including
 public works)

8.7.7.1.1

RECORD OF COMMUNICATION		<input type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE	
		<input checked="" type="checkbox"/> OTHER (SPECIFY) <i>Meeting</i> (Record of item checked above)	
TO: City of Tacoma Utilities Dept.	FROM: M. Stoner Greg Bowden	DATE	5/22/89
		TIME	4:100
SUBJECT CB/NT General Notice letter			
SUMMARY OF COMMUNICATION			
<p>Met w/ G.S. Karavitis (593-8331) asst City Attorney for Utilities Department - he will respond to letter for city light and power - will need 30 day extension because his department did not receive notice until recently.</p> <p>Agreed to focus attention on priority areas as Greg and I defined for him on a GIS map which we provided.</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES			
TO: City Waterway			

8.7.7.1.1

RECORD OF COMMUNICATION		<input type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE	
		<input checked="" type="checkbox"/> OTHER (SPECIFY) <i>meeting</i> (Record of item checked above)	
TO: City of Tacoma Utilities Dept.	FROM: M. Stoner Greg Bowden	DATE 5/22/89	
		TIME 1:00	
SUBJECT CB/NT General Notice letter			
SUMMARY OF COMMUNICATION <p>Met w/ G.S. Karvutis (593-8331) asst City Attorney for Utilities Department - he will respond to letter for city light and power - will need 30 day extension because his department did not receive notice until recently.</p> <p>Agreed to focus attention on priority areas as Greg and I defined for him on a GIS map which we provided.</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO: City Waterway			

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE	
		<input type="checkbox"/> OTHER (SPECIFY)	
		(Record of item checked above)	
TO: Lynne Kershner	FROM: Ken Fuller City of Tacoma	DATE	5/23/89
		TIME	1:15
SUBJECT			
SUMMARY OF COMMUNICATION hand delivering response tomorrow (needed address)			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO:			

Enclosure B**ATTACHMENT TO 104(e) REQUEST FOR INFORMATION****City of Tacoma****Property Information**

Address	Tax ID Parcel Nos.	Size (Acres)	Association (Owner/Operator)	Dates of Association	Operations
1025 Dock St	8950002100	1.0	Current Owner	1990-Present	Unknown
1119 Dock St	8950001960	3.0	Current Owner	1990-Present	Unknown
1801 Dock St	8950001840	2.0	Current Owner	1990-Present	Unknown
1025 E. 22nd St	8950001810	Unknown	Current Owner	1990-Present	Unknown
1616 E. D St	2022000021	Unknown	Current Owner	1990-Present	Unknown
610 East 15th St	8950001571	Unknown	Current Owner	1990-Present	Unknown
1510 St Paul Ave	3200041020	Unknown	Current Owner	1990-Present	Unknown
St. Paul Ave & 15th St	3200041022	Unknown	Current Owner	1990-Present	Unknown
3rd & East E St	8950000650	Unknown	Current Owner	1990-Present	Unknown
East F St	8950000620	Unknown	Current Owner	1990-Present	Unknown

MEMORANDUM

8.7.7.1.1
MPS Inc

TO:

Jeff Verheij

FROM:

Joyce Merceur

SUBJECT:

MPS

DATE:

8/7/98

State of
Washington
Department
of Ecology



Jeff - here's some add'l data on MPS. Call me if
questions.

Joyce



City of Tacoma
Public Works Department

MPS
Jeff

Facsimile Cover Sheet

To: Joyce Mercuri
Company: DUE
Phone: _____
Fax: _____

From: Troy
Phone: _____
Fax: (253) 502-2107
Date: 6/30/98

Pages including this
cover page: 16

COMMENTS:

MPS containment system.

Please note results for

Tank farm CB deck (white powder)
is in ppm. or 160,000 ug/kg.

from within containment area (not plotted on map).
Also white powder from pavement near tank
farm - draws to 248.

OUR FAX LINE IS OPEN 24 HOURS EVERY DAY

City of Tacoma - Sewer Utility - 2201 Portland Avenue, Tacoma, WA 98421 - Phone (253) 591-5588 or FAX (253) 502-2107



City of Tacoma
Utility Services Laboratory

Memorandum

TO: Troy Naccarato, Water Quality Representative

FROM: Christopher L. Getchell, Source Control Supervisor

SUBJECT: Storm WO# AK80D1

DATE: June 24, 1998

Attached are the analysis results for the samples collected at MPS Terminal on June 2, 1998. These samples were collected as part of the ongoing BEP source investigation for Thea Foss waterway. Two samples, MPS-CB#C7 and MPS-Wes-Pac tanker were analyzed for possible identification and correlation to each other and to Outfall #245 Vactor Truck sampled in April, 1998. The identification report is attached.

The samples were analyzed entirely by the Utility Services Laboratory. The MPS-Tank farm CB deck sample is reported as received. All other samples are reported on a dry weigh basis. The MPS-Tank farm sludge sample exhibited interferences in all QC analysis and is therefore qualified as estimated for all detected compounds. A detailed Quality Control Data Review report was prepared and is available for review upon request.

If you have any questions concerning these samples, call me at (253)502-2130.

A handwritten signature in black ink, appearing to read "Christopher L. Getchell".

Christopher L. Getchell
Source Control Supervisor,
Utility Services Laboratory.

CLG:LAZ

C:\Shared\QC_REPT\1998\cvr\tr\80602012.doc

June 22, 1998 *KZ*

Addendum to MPS Terminal Report - Product ID

Sample #980602011 labeled MPS-CB#7 contained a mixture of diesel, motor oil and phthalates.

Sample #980602020 labeled MPS-Wes-Pac Tanker consisted of asphalt - medium to heavy hydrocarbons. This material did not match CB#11.

Neither sample matched Outfall 245 Vector Truck of April 1998.

The white powder from the MPS Tanker Farm Catch Basin deck did not contain any high levels of phthalates. Other peaks were present but as of yet, I have been unable to identify them.

- City of Tacoma -
Utility Services Laboratory

To: Christopher L. Getchell, Source Control Supervisor

Foss Phthalate Study

AK80D1MMD

Date: June 24, 1998

Lab#:	980602012	980602013	980602014	
Sample ID:	MPS-CB#C9	MPS-CB#C11	MPS-CB#C15	
Sample Type:	Sediment	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	6/2/98	
Test	Result	Result	Result	Units
CONVENTIONAL				
Solids	48.6	51.3	58.7	per cent
GC/MS-BNA				
1,2,4-Trichlorobenzene	9700 U	19000 U	1900U	ug/Kg
1,2-Dichlorobenzene	9700 U	19000 U	1900U	ug/Kg
1,2-Diphenylhydrazine	9700 U	19000 U	1900U	ug/Kg
1,3-Dichlorobenzene	9700 U	19000 U	1900U	ug/Kg
1,4-Dichlorobenzene	9700 U	19000 U	1900U	ug/Kg
2,2-oxybis(1-Chloropropane)	9700 U	19000 U	1900U	ug/Kg
2,4,5-Trichlorophenol	9700 U	19000 U	1900U	ug/Kg
2,4,6-Trichlorophenol	9700 U	19000 U	1900U	ug/Kg
2,4-Dichlorophenol	9700 U	19000 U	1900U	ug/Kg
2,4-Dimethylphenol	9700 U	19000 U	1900U	ug/Kg
2,4-Dinitrophenol	49000 U	93000 U	9700U	ug/Kg
2,4-Dinitrotoluene	9700 U	19000 U	1900U	ug/Kg
2,6-Dinitrotoluene	9700 U	19000 U	1900U	ug/Kg
2-Chloronaphthalene	9700 U	19000 U	1900U	ug/Kg
2-Chlorophenol	9700 U	19000 U	1900U	ug/Kg
2-Methyl-4,6-dinitrophenol	49000 U	93000 U	9700U	ug/Kg

U indicates not detected at the associated value

B Indicates the value is greater than the detection limits of the method, however it is lower than the Contract Required Detection Limits

J indicates the associated value is estimated

UJ indicates not detected at the associated value, however the value should be considered estimated

Toas Phthalate Study

AK80D1MMD

Date: June 24, 1998

Lab#:	980602012	980602013	980602014	
Sample ID:	MPS-CB#C9	MPS-CB#C11	MPS-CB#C15	
Sample Type:	Sediment	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	6/2/98	
Test	Result	Result	Result	Units
2-Methylnaphthalene	9700 U	19000 U	1900U	ug/Kg
2-Methylphenol	9700 U	19000 U	1900U	ug/Kg
2-Nitroaniline	9700 U	19000 U	1900U	ug/Kg
2-Nitrophenol	9700 U	19000 U	1900U	ug/Kg
3,3-Dichlorobenzidine	49000 U	93000 U	9700U	ug/Kg
3-Nitroaniline	9700 U	19000 U	1900U	ug/Kg
4-Bromophenyl-phenylether	9700 U	19000 U	1900U	ug/Kg
4-Chloro-3-methylphenol	9700 U	19000 U	1900U	ug/Kg
4-Chloroaniline	9700 U	19000 U	1900U	ug/Kg
4-Chlorophenyl-phenylether	9700 U	19000 U	1900U	ug/Kg
4-Methylphenol	9700 U	19000 U	1900U	ug/Kg
4-Nitroaniline	9700 U	19000 U	1900U	ug/Kg
4-Nitrophenol	49000 U	93000 U	9700U	ug/Kg
Acenaphthene	9700 U	19000 U	1900U	ug/Kg
Acenaphthylene	9700 U	19000 U	1900U	ug/Kg
Aniline	9700 U	19000 U	1900U	ug/Kg
Anthracene	9700 U	19000 U	1900U	ug/Kg
Benzidine	49000 U	93000 U	9700U	ug/Kg
Benzo(a)anthracene	9700 U	19000 U	1900U	ug/Kg
Benzo(a)pyrene	9700 U	19000 U	1900U	ug/Kg
Benzo(g,h,i)perylene	9700 U	19000 U	1900U	ug/Kg
Benzo(a)fluoranthene	13000	19000 U	1900U	ug/Kg
Benzoic Acid	49000 U	93000 U	9700U	ug/Kg
Benzyl Alcohol	9700 U	19000 U	1900U	ug/Kg

U indicates not detected at the associated value

B indicates the value is greater than the detection limits of the method, however it is lower than the Contract Required Detection Limits

J indicates the associated value is estimated

UI indicates not detected at the associated value, however the value should be considered estimated

Foss Phthalate Study

AK80D1MMD

Date: June 24, 1998

Lab#:	980602012	980602013	980602014	
Sample ID:	MPS-CB#C9	MPS-CB#C11	MPS-CB#C15	
Sample Type:	Sediment	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	6/2/98	
Test	Result	Result	Result	Units
Biphenyl	9700 U	19000 U	1900U	ug/Kg
bis(2-Chloroethoxy)methane	9700 U	19000 U	1900U	ug/Kg
bis(2-Chloroethyl)ether	9700 U	19000 U	1900U	ug/Kg
bis(2-Ethylhexyl)phthalate	2500000	1600000	5500000	ug/Kg
Butylbenzylphthalate	9700 U	19000 U	1900U	ug/Kg
Carbazole	9700 U	19000 U	1900U	ug/Kg
Chrysene	9700 U	19000 U	1900U	ug/Kg
Di-n-butylphthalate	9700 U	19000 U	1900U	ug/Kg
Di-n-Octyl phthalate	9700 U	19000 U	1900U	ug/Kg
Dibenz(a,h)anthracene	9700 U	19000 U	1900U	ug/Kg
Dibenzofuran	9700 U	19000 U	1900U	ug/Kg
Dibenzothiophene	9700 U	19000 U	1900U	ug/Kg
Diethylphthalate	9700 U	19000 U	1900U	ug/Kg
Dimethyl phthalate	9700 U	19000 U	1900U	ug/Kg
Fluoranthene	9700 U	19000 U	1900U	ug/Kg
Fluorene	9700 U	19000 U	1900U	ug/Kg
Hexachlorobenzene	9700 U	19000 U	1900U	ug/Kg
Hexachlorobutadiene	9700 U	19000 U	1900U	ug/Kg
Hexachlorocyclopentadiene	9700 U	19000 U	1900U	ug/Kg
Hexachloroethane	9700 U	19000 U	1900U	ug/Kg
Indeno(1,2,3-cd)pyrene	9700 U	19000 U	1900U	ug/Kg
Isophorone	9700 U	19000 U	1900U	ug/Kg
N-Nitroso-di-n-propylamine	9700 U	19000 U	1900U	ug/Kg
N-Nitrosodimethylamine	9700 U	19000 U	1900U	ug/Kg

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Foss Phthalate Study

AK80D1MMD

Date: June 24, 1998

Lab#:	980602012	980602013	980602014	
Sample ID:	MPS-CB#C9	MPS-CB#C11	MPS-CB#C15	
Sample Type:	Sediment	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	6/2/98	
Test	Result	Result	Result	Units
N-Nitrosodiphenylamine	9700 U	19000 U	1900U	ug/Kg
Naphthalene	9700 U	19000 U	1900U	ug/Kg
Nitrobenzene	9700 U	19000 U	1900U	ug/Kg
Pentachlorophenol	49000 U	93000 U	9700U	ug/Kg
Phenanthrene	9700 U	19000 U	1900U	ug/Kg
Phenol	9700 U	19000 U	1900U	ug/Kg
Pyrene	9700 U	19000 U	1900U	ug/Kg
GC/MS-TPH				
WTPH-Diesel	6500	3100	720	mg/Kg
WTPH-Heavy Oil	34000	8900	1900	mg/Kg

Reviewed By:

*Lori A. Zboralski**6/24/98*

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- City of Tacoma -
Utility Services Laboratory

To: Christopher L. Getchell, Source Control Supervisor

Foss Phthalate Study

AK80D1MMD

Date: June 25, 1998

Lab#:	980602015	980602016	980602017	
Sample ID:	MPS-CB#C17	MPS-CB#C19	MPS-East Rail	
Sample Type:	Sediment	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	6/2/98	
Test	Result	Result	Result	Units
CONVENTIONAL				
Solids	65.8	56.4	62.1	per cent
GC/MS-BNA				
1,2,4-Trichlorobenzene	2000 U	1000 U	970 U	ug/Kg
1,2-Dichlorobenzene	2000 U	1000 U	970 U	ug/Kg
1,2-Diphenylhydrazine	2000 U	1000 U	970 U	ug/Kg
1,3-Dichlorobenzene	2000 U	1000 U	970 U	ug/Kg
1,4-Dichlorobenzene	2000 U	1000 U	970 U	ug/Kg
2,2-oxybis(1-Chloropropane)	2000 U	1000 U	970 U	ug/Kg
2,4,5-Trichlorophenol	2000 U	1000 U	970 U	ug/Kg
2,4,6-Trichlorophenol	2000 U	1000 U	970 U	ug/Kg
2,4-Dichlorophenol	2000 U	1000 U	970 U	ug/Kg
2,4-Dimethylphenol	2000 U	1000 U	970 U	ug/Kg
2,4-Dinitrophenol	9800 U	5000 U	4900 U	ug/Kg
2,4-Dinitrotoluene	2000 U	1000 U	970 U	ug/Kg
2,6-Dinitrotoluene	2000 U	1000 U	970 U	ug/Kg
2-Chloronaphthalene	2000 U	1000 U	970 U	ug/Kg
2-Chlorophenol	2000 U	1000 U	970 U	ug/Kg
2-Methyl-4,6-dinitrophenol	9800 U	5000 U	4900 U	ug/Kg

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Foss Phthalate Study
AK80D1MMD

Date: June 25, 1998

Lab#:	980602015	980602016	980602017	
Sample ID:	MPS-CB#C17	MPS-CB#C19	MPS-East Rail	
Sample Type:	Sediment	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	6/2/98	
Test	Result	Result	Result	Units
2-Methylnaphthalene	2000 U	1000 U	970U	ug/Kg
2-Methylphenol	2000 U	1000 U	970U	ug/Kg
2-Nitroaniline	2000 U	1000 U	970U	ug/Kg
2-Nitrophenol	2000 U	1000 U	970U	ug/Kg
3,3-Dichlorobenzidine	9800 U	5000 U	4900U	ug/Kg
3-Nitroaniline	2000 U	1000 U	970U	ug/Kg
4-Bromophenyl-phenylether	2000 U	1000 U	970U	ug/Kg
4-Chloro-3-methylphenol	2000 U	1000 U	970U	ug/Kg
4-Chloroaniline	2000 U	1000 U	970U	ug/Kg
4-Chlorophenyl-phenylether	2000 U	1000 U	970U	ug/Kg
4-Methylphenol	2000 U	1000 U	970U	ug/Kg
4-Nitroaniline	2000 U	1000 U	970U	ug/Kg
4-Nitrophenol	9800 U	5000 U	4900U	ug/Kg
Acenaphthene	2000 U	1000 U	970U	ug/Kg
Acenaphthylene	2000 U	1000 U	970U	ug/Kg
Aniline	2000 U	1000 U	970U	ug/Kg
Anthracene	2000 U	1000 U	970U	ug/Kg
Benzidine	9800 U	5000 U	4900U	ug/Kg
Benzo(a)anthracene	2000 U	1000 U	2200	ug/Kg
Benzo(a)pyrene	2000 U	1000 U	4500	ug/Kg
Benzo(g,h,i)perylene	2000 U	1000 U	1600	ug/Kg
Benzo(a)fluoranthene	2000 U	1300	11000	ug/Kg
Benzoic Acid	9800 U	5000 U	4900U	ug/Kg
Benzyl Alcohol	2000 U	1000 U	970U	ug/Kg

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**Foss Phthalate Study
AK80DIMMD**

Date: June 25, 1998

Lab#:	980602015	980602016	980602017	
Sample ID:	MPS-CB#C17	MPS-CB#C19	MPS-East Rail	
Sample Type:	Sediment	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	6/2/98	
Test	Result	Result	Result	Units
Biphenyl	2000 U	1000 U	970U	ug/Kg
bis(2-Chloroethoxy)methane	2000 U	1000 U	970U	ug/Kg
bis(2-Chloroethyl)ether	2000 U	1000 U	970U	ug/Kg
bis(2-Ethylhexyl)phthalate	11000000	75000	12000	ug/Kg
Butylbenzylphthalate	2000 U	1000 U	970U	ug/Kg
Carbazole	2000 U	1000 U	970U	ug/Kg
Chrysene	2300	2100	6700	ug/Kg
Di-n-butylphthalate	2000 U	1000 U	970U	ug/Kg
Di-n-Octyl phthalate	2000 U	1000 U	970U	ug/Kg
Dibenz(a,h)anthracene	2000 U	1000 U	970U	ug/Kg
Dibenzofuran	2000 U	1000 U	970U	ug/Kg
Dibenzothiophene	2000 U	1000 U	970U	ug/Kg
Diethylphthalate	2000 U	1000 U	970U	ug/Kg
Dimethyl phthalate	2000 U	1000 U	970U	ug/Kg
Fluoranthene	2000 U	1800	2700	ug/Kg
Fluorene	2000 U	1000 U	970U	ug/Kg
Hexachlorobenzene	2000 U	1000 U	970U	ug/Kg
Hexachlorobutadiene	2000 U	1000 U	970U	ug/Kg
Hexachlorocyclopentadiene	2000 U	1000 U	970U	ug/Kg
Hexachloroethane	2000 U	1000 U	970U	ug/Kg
Indeno(1,2,3-cd)pyrene	2000 U	1000 U	1700	ug/Kg
Isophorone	2000 U	1000 U	970U	ug/Kg
N-Nitroso-di-n-propylamine	2000 U	1000 U	970U	ug/Kg
N-Nitrosodimethylamine	2000 U	1000 U	970U	ug/Kg

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Foss Phthalate Study

AK80D1MMD

Date: June 25, 1998

Lab#:	980602015	980602016	980602017	
Sample ID:	MPS-CB#C17	MPS-CB#C19	MPS-East Rail	
Sample Type:	Sediment	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	6/2/98	
Test	Result	Result	Result	Units
N-Nitrosodiphenylamine	2000 U	1000 U	970U	ug/Kg
Naphthalene	2000 U	1000 U	970U	ug/Kg
Nitrobenzene	2000 U	1000 U	970U	ug/Kg
Pentachlorophenol	9800 U	5000 U	4900U	ug/Kg
Phenanthrene	2000 U	1400	1500	ug/Kg
Phenol	2000 U	1000 U	970U	ug/Kg
Pyrene	2000 U	1200	2300	ug/Kg
GC/MS-TPH				
WTPH-Diesel	25 U	770	87	mg/Kg
WTPH-Heavy Oil	1900	3900	3000	mg/Kg

Reviewed By:

Lori A. Zboralski6/25/98

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- City of Tacoma -
Utility Services Laboratory

To: Christopher L. Getchell, Source Control Supervisor

Foss Phthalate Study

AK80D1MMD

Date: June 24, 1998

Lab#: 980602018

Sample ID: MPS-Tank farm CB deck

Sample Type: Sediment

Sample Date: 6/2/98

white powder

160,000 ug/kg

Test	Result	Units
GC/MS-BNA		
bis(2-Ethylhexyl)phthalate	160	mg/Kg
Butylbenzylphthalate	360 U	mg/Kg
Di-n-butylphthalate	360 U	mg/Kg
Di-n-Octyl phthalate	360 U	mg/Kg
Diethylphthalate	360 U	mg/Kg
Dimethyl phthalate	360 U	mg/Kg

Reviewed By:

Lori G. Zboralski

6/24/98

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Utility Services Laboratory

To: Christopher L. Getchell, Source Control Supervisor

Foss Phthalate Study

AK80D1MMD

Date: June 23, 1998

Lab#:	980602019	980602021	
Sample ID:	MPS-Tank farm sludge	MPS-West Rail	
Sample Type:	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	
Test	Result	Result	Units
CONVENTIONAL			
Solids	50.6	96.6	per cent
GC/MS-BNA			
1,2,4-Trichlorobenzene	970 U	99 U	ug/Kg
1,2-Dichlorobenzene	970 U	99 U	ug/Kg
1,2-Diphenylhydrazine	970 U	99 U	ug/Kg
1,3-Dichlorobenzene	970 U	99 U	ug/Kg
1,4-Dichlorobenzene	970 U	99 U	ug/Kg
2,2-oxybis(1-Chloropropane)	970 U	99 U	ug/Kg
2,4,5-Trichlorophenol	970 U	99 U	ug/Kg
2,4,6-Trichlorophenol	970 U	99 U	ug/Kg
2,4-Dichlorophenol	970 U	99 U	ug/Kg
2,4-Dimethylphenol	970 U	99 U	ug/Kg
2,4-Dinitrophenol	8900 U	99 U	ug/Kg
2,4-Dinitrotoluene	970 U	500 U	ug/Kg
2,6-Dinitrotoluene	970 U	99 U	ug/Kg
2-Chloronaphthalene	970 U	99 U	ug/Kg
2-Chlorophenol	970 U	99 U	ug/Kg
2-Methyl-4,6-dinitrophenol	8900 U	99 U	ug/Kg
2-Methylnaphthalene	970 U	99 U	ug/Kg

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Foss Phthalate Study

AK80D1MMD

Date: June 25, 1998

Lab#:	980602019	980602021
Sample ID:	MPS-Tank farm sludge	MPS-West Rail
Sample Type:	Sediment	Sediment
Sample Date:	6/2/98	6/2/98

Test	Result	Result	Units
2-Methylphenol	970 U	99 U	ug/Kg
2-Nitroaniline	970 U	99 U	ug/Kg
2-Nitrophenol	970 U	99 U	ug/Kg
3,3-Dichlorobenzidine	8900 U	99 U	ug/Kg
3-Nitroaniline	970 U	99 U	ug/Kg
4-Bromophenyl-phenylether	970 U	99 U	ug/Kg
4-Chloro-3-methylphenol	970 U	99 U	ug/Kg
4-Chloroaniline	970 U	99 U	ug/Kg
4-Chlorophenyl-phenylether	970 U	99 U	ug/Kg
4-Methylphenol	2300 J	99 U	ug/Kg
4-Nitroaniline	970 U	99 U	ug/Kg
4-Nitrophenol	8900 U	500 U	ug/Kg
Acenaphthene	970 U	99 U	ug/Kg
Acenaphthylene	970 U	99 U	ug/Kg
Aniline	970 U	99 U	ug/Kg
Anthracene	970 U	99 U	ug/Kg
Benzidine	8900 U	99 U	ug/Kg
Benzo(a)anthracene	970 U	220	ug/Kg
Benzo(a)pyrene	970 U	160	ug/Kg
Benzo(g,h,i)perylene	970 U	100	ug/Kg
Benzo(a)fluoranthene	970 U	520	ug/Kg
Benzoic Acid	8900 U	500 U	ug/Kg
Benzyl Alcohol	970 U	99 U	ug/Kg
Biphenyl	970 U	99 U	ug/Kg

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Foss Phthalate Study

AK80D1MMD

Date: June 25, 1998

Lab#:	980602019	980602021	
Sample ID:	MPS-Tank farm sludge	MPS-West Rail	
Sample Type:	Sediment	Sediment	
Sample Date:	6/2/98	6/2/98	
Test	Result	Result	Units
bis(2-Chloroethoxy)methane	970 U	99 U	ug/Kg
bis(2-Chloroethyl)ether	970 U	99 U	ug/Kg
bis(2-Ethylhexyl)phthalate	730000 J	500 U	ug/Kg
Butylbenzylphthalate	970 U	99 U	ug/Kg
Carbazole	970 U	99 U	ug/Kg
Chrysene	970 U	510	ug/Kg
Di-n-butylphthalate	970 U	99 U	ug/Kg
Di-n-Octyl phthalate	970 U	99 U	ug/Kg
Dibenz(a,h)anthracene	970 U	99 U	ug/Kg
Dibenzofuran	970 U	99 U	ug/Kg
Dibenzothiophene	970 U	500 U	ug/Kg
Diethylphthalate	970 U	99 U	ug/Kg
Dimethyl phthalate	970 U	99 U	ug/Kg
Fluoranthene	970 U	430	ug/Kg
Fluorene	970 U	99 U	ug/Kg
Hexachlorobenzene	970 U	99 U	ug/Kg
Hexachlorobutadiene	970 U	99 U	ug/Kg
Hexachlorocyclopentadiene	970 U	99 U	ug/Kg
Hexachloroethane	970 U	99 U	ug/Kg
Indeno(1,2,3-cd)pyrene	970 U	99 U	ug/Kg
Isophorone	970 U	99 U	ug/Kg
N-Nitroso-di-n-propylamine	970 U	99 U	ug/Kg
N-Nitrosodimethylamine	970 U	99 U	ug/Kg
N-Nitrosodiphenylamine	970 U	500 U	ug/Kg

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Foss Phthalate Study

AK80D1MMD

Date: June 25, 1998

Lab#:	980602019	980602021
Sample ID:	MPS-Tank farm sludge	MPS-West Rail
Sample Type:	Sediment	Sediment
Sample Date:	6/2/98	6/2/98

Test	Result	Result	Units
Naphthalene	970 U	99 U	ug/Kg
Nitrobenzene	970 U	99 U	ug/Kg
Pentachlorophenol	8900 U	99 U	ug/Kg
Phenanthrene	970 U	110	ug/Kg
Phenol	970 U	99 U	ug/Kg
Pyrene	970 U	500 U	ug/Kg
GC/MS-TPH			
WTPH-Diesel	25 U	25 U	mg/Kg
WTPH-Heavy Oil	50 U	50	mg/Kg

Reviewed By:

Lori A. Zboralski6/25/98

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